

EAST PARKE LIFT STATION

Application for AW Infrastructure
Within Parkland

SER-3986



In Sponsorship by Austin Water

VICINITY MAP

5324 1/2 Loyola Lane



VICINITY MAP
N.T.S.

LOCATION

5324 1/2 Loyola Lane

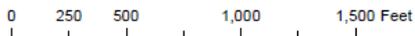
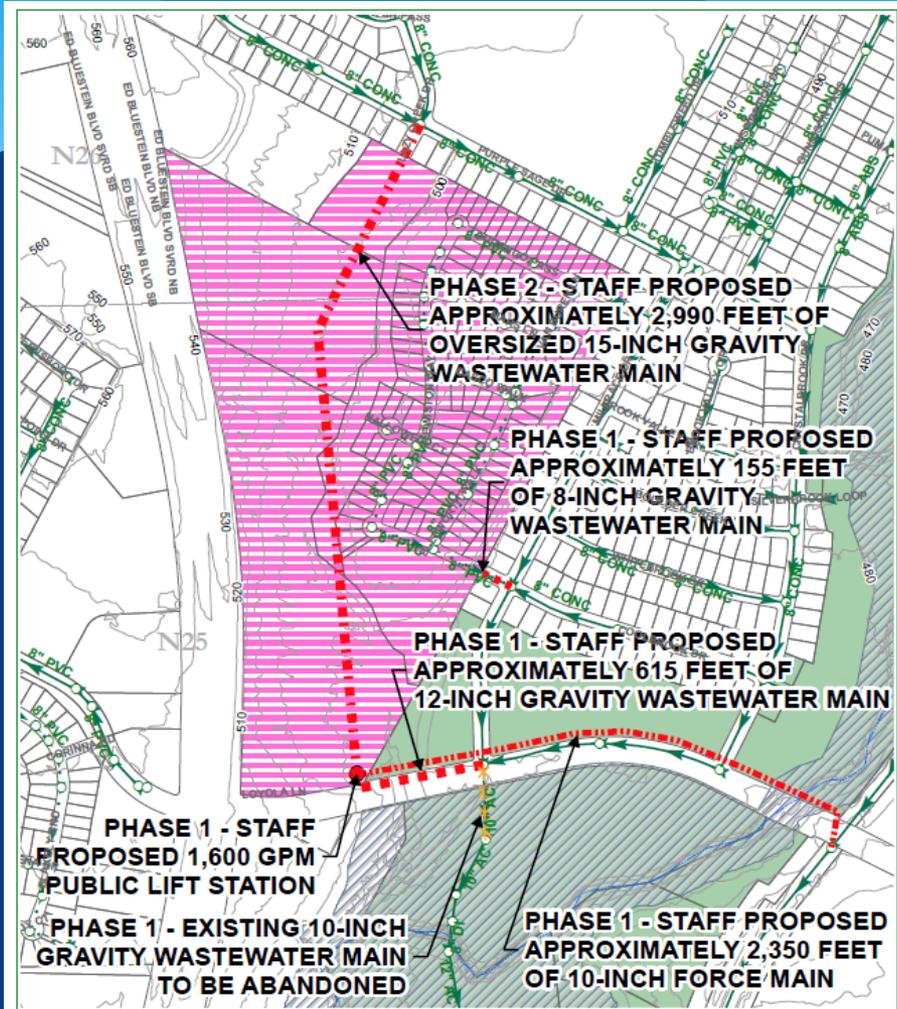


5324 1/2 LOYOLA LANE, AUSTIN, TEXAS 78724

LOCATION MAP

N.T.S.

APPROVED SER-3986-Phase I



- Subject Tract
- 100-yr FEMA Floodplain
- City of Austin Parks

W.W. S.E.R. Name: East Parke Subdivision (Revised)
W.W. S.E.R. Number: 3986R

Utility Development Services Plotted 4/8/2020

SER-3986 Phase I & II
approved by Council on
5/21/20

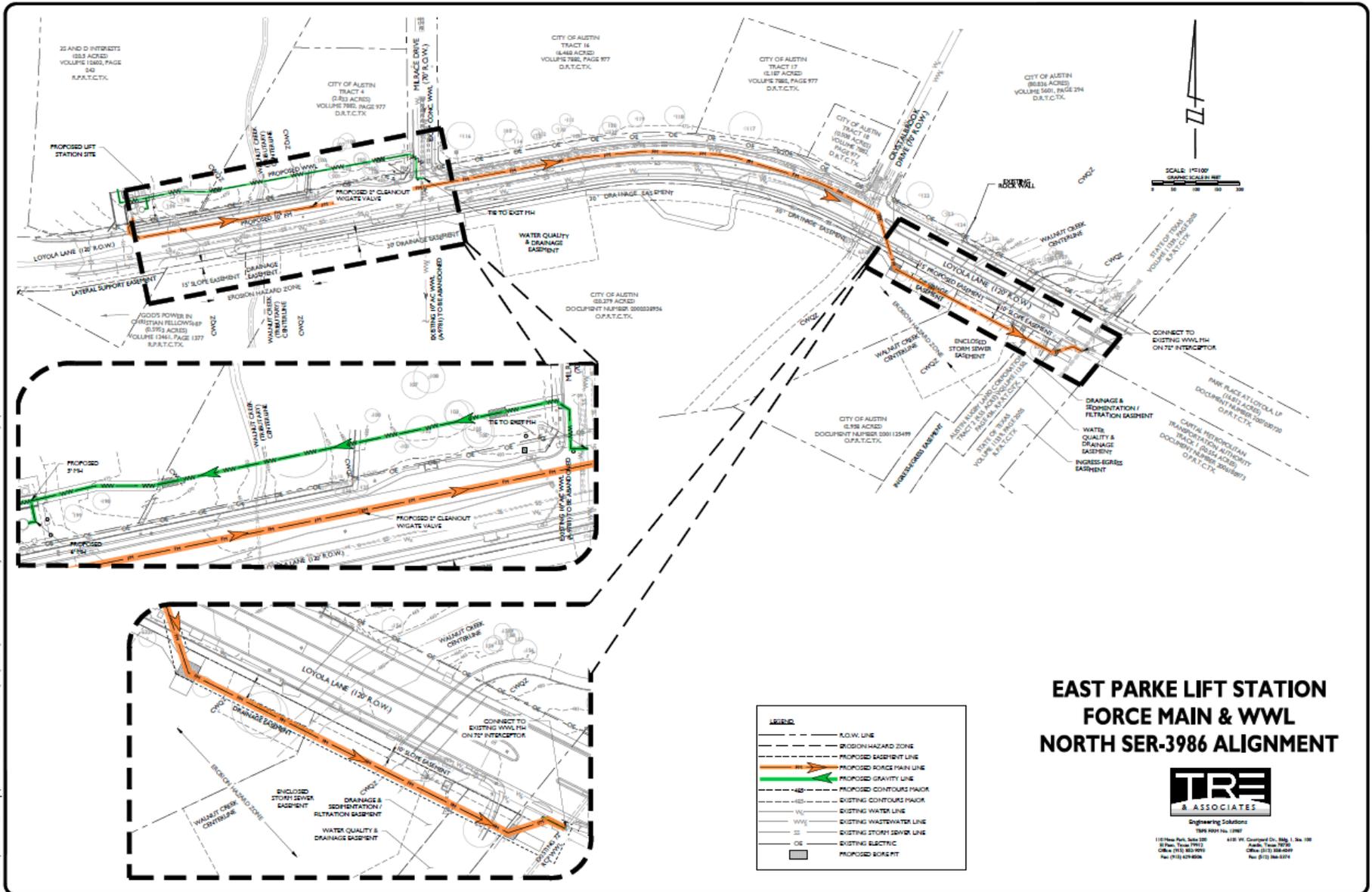
Two proposed route
options:

- North of Loyola Ln
(per approved SER)
- South of Loyola Ln

Only Feasible Path: North Alignment

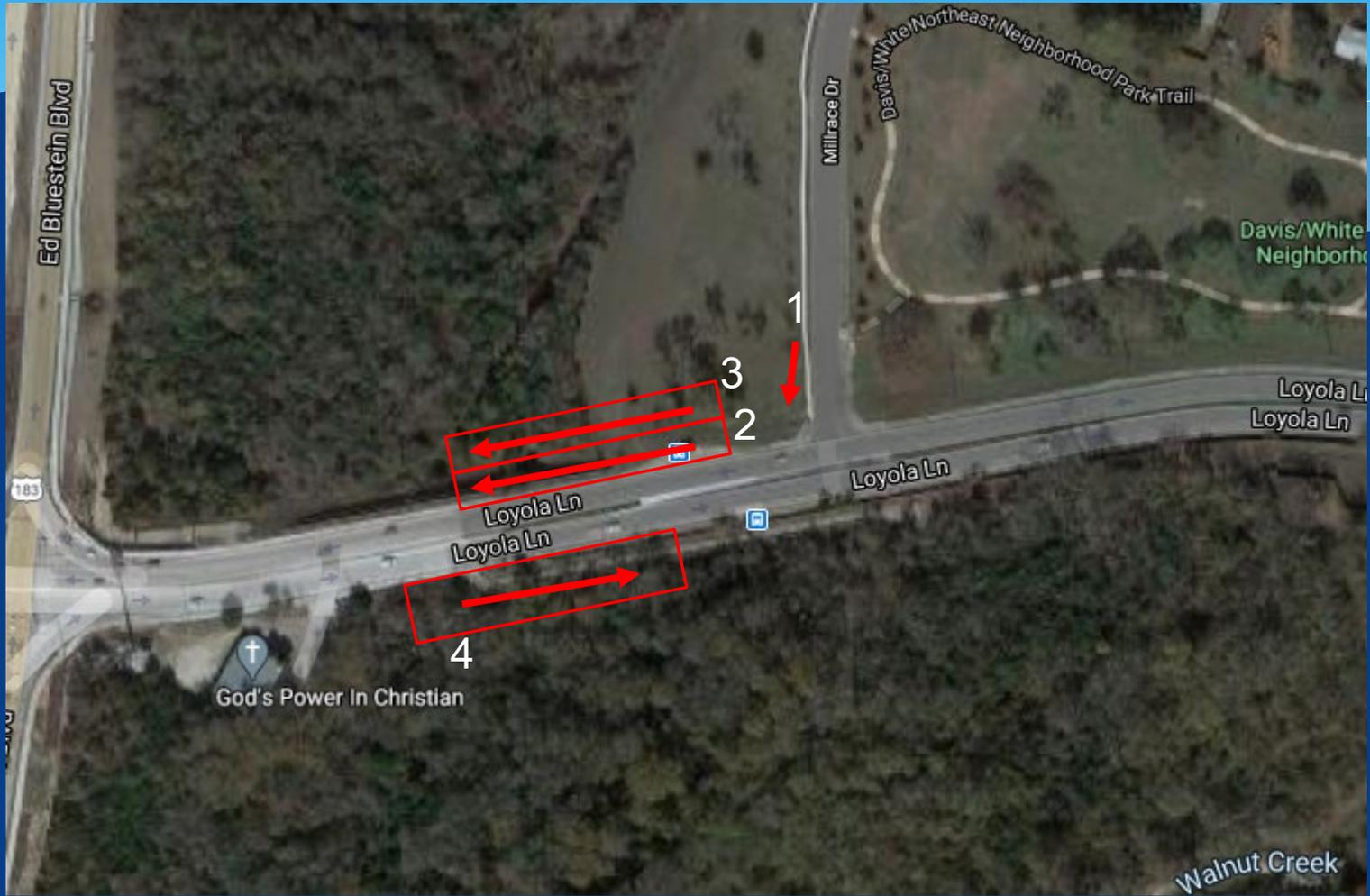
- As shown on approved SER-3986-Phase I
- Concurred by AW and PARD
- 462 LF of gravity line improvements through Parkland, 365 LF of those will be bored (79% of total length)

North Route Option



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Photo Map



1



2



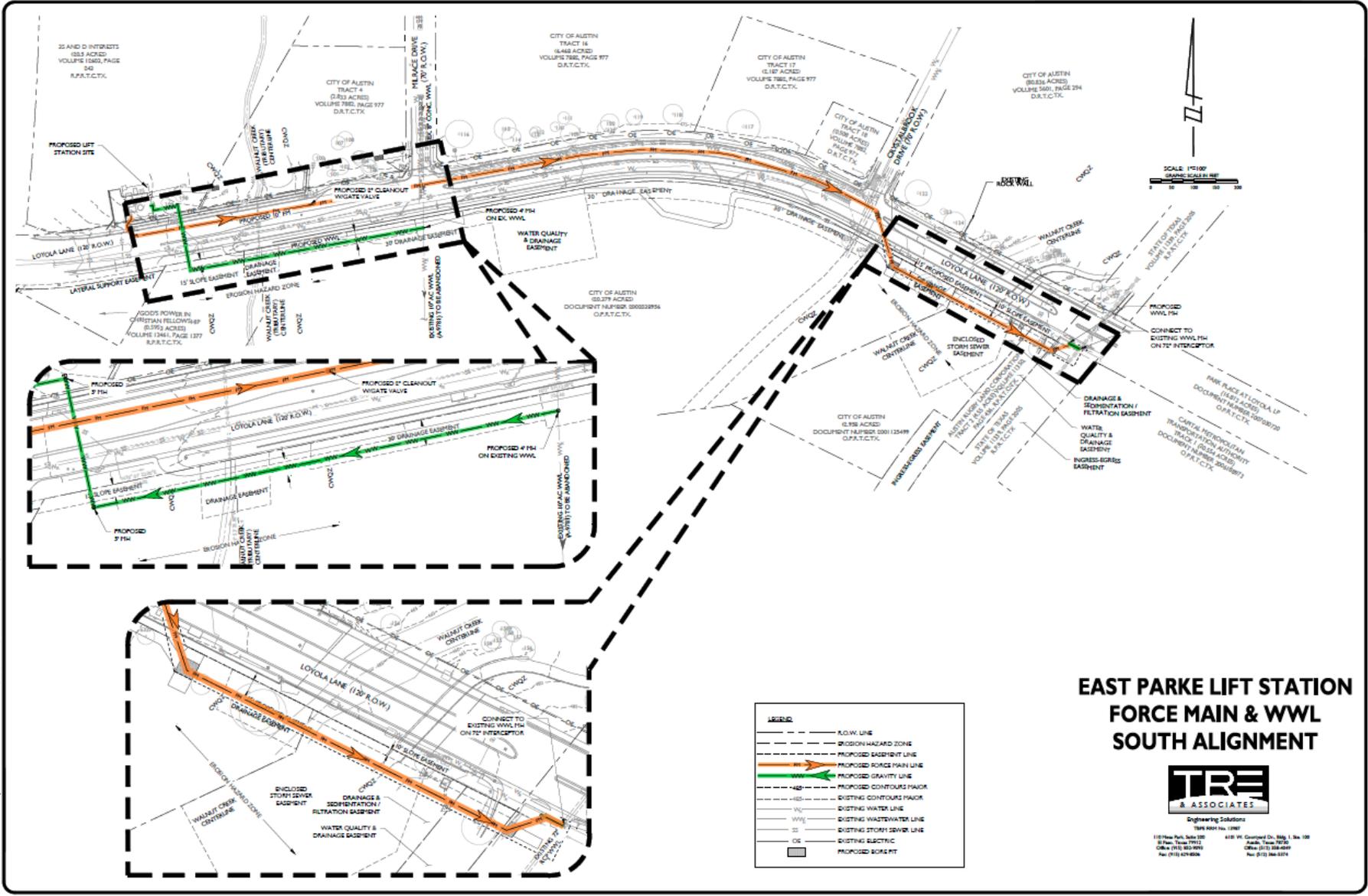
W.M.



3



South Route Option



EAST PARKE LIFT STATION FORCE MAIN & WWL SOUTH ALIGNMENT



Engineering Solutions
 115 Hwy. 190, Suite 200
 Austin, Texas 78751
 Office (512) 452-9959
 Fax (512) 452-9958

4100 W. Guadalupe Dr., Suite 1, Box 100
 Austin, Texas 78750
 Office (512) 554-4944
 Fax (512) 554-5574

FILE: P:\1524 - East Parke Lift Station\DWG\Drawings\DWG - WWT - SOUTH ALIGNMENT.dwg
 DATE: 1/14/2021 10:24:40 AM
 BY: JMBURK



Conclusion: North Alignment

South gravity line alignment is not feasible because:

- It does not have access for maintenance/repair due to the grade drop
- The gravity line would be in the 100- year floodplain
- Would cause the LS wet well to be deeper
- \$2,592,765.80

North gravity line alignment is feasible because:

- The majority of the improvements within Parkland will be installed via boring and not open trench therefore minimizing impact on Parkland & Watershed
- Restoration includes native grassland seeding & planting per CoA Standard Specification 609S.6 (including topsoil & seed bed prep, temp irrigation & weed maintenance).
- \$2,308,919.80

Community & Economic Impact

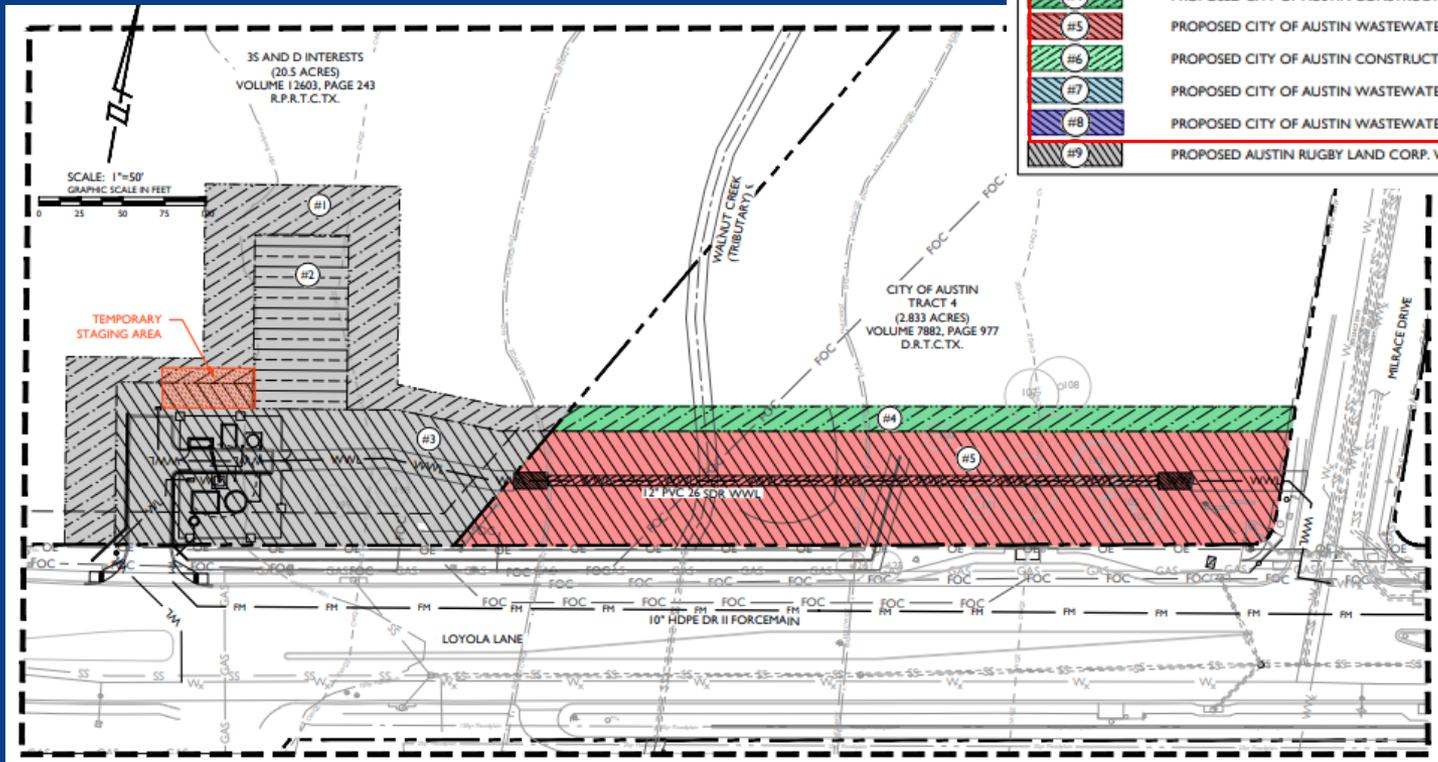
Bottle neck:

- The existing system is “bottle necked” and cannot support more development
- Construction of this gravity line and LS will eliminate this problem

Future Development:

- The improvements allow for future development of the surrounding area currently undeveloped
- Increases the tax value of the area.

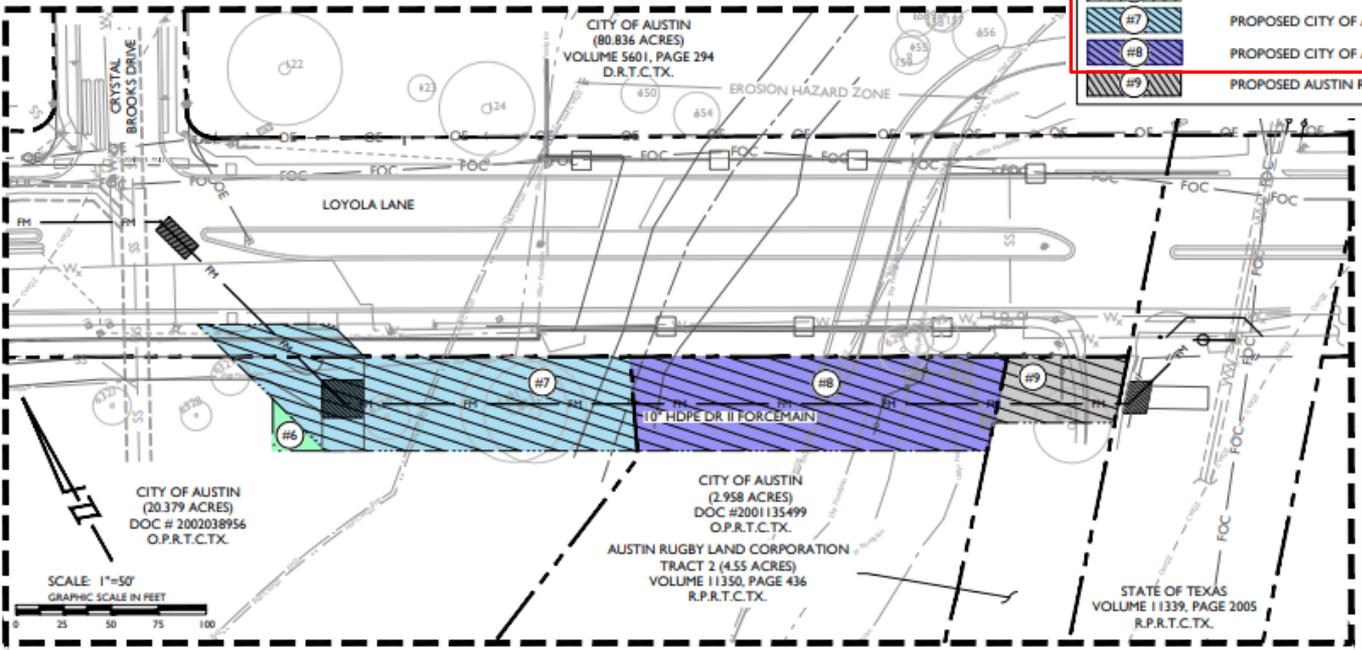
Easements and Staging Area



LEGEND	
---	ROW LINE
— FM —	PROPOSED FM
— WWL —	PROPOSED GRAVITY WWL
#1	PROPOSED 3 S & D INTERESTS CONSTRUCTION EASEMENT DOC. # _____
#2	PROPOSED 3 S & D INTERESTS DRAINAGE EASEMENT DOC. # _____
#3	PROPOSED 3 S & D INTERESTS EXCLUSIVE PUMP STATION EASEMENT DOC. # _____
#4	PROPOSED CITY OF AUSTIN CONSTRUCTION EASEMENT DOC. # _____
#5	PROPOSED CITY OF AUSTIN WASTEWATER EASEMENT DOC. # _____
#6	PROPOSED CITY OF AUSTIN CONSTRUCTION EASEMENT DOC. # _____
#7	PROPOSED CITY OF AUSTIN WASTEWATER EASEMENT DOC. # _____
#8	PROPOSED CITY OF AUSTIN WASTEWATER EASEMENT DOC. # _____
#9	PROPOSED AUSTIN RUGBY LAND CORP. WASTEWATER EASEMENT DOC. # _____

Easements and Staging Area

LEGEND	
	ROW LINE
	PROPOSED FM
	PROPOSED GRAVITY WWL
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Chapter 26 of the Parks and Wildlife Code (PWC) Due Diligence for Utility Assignment

Section 26.001

A department may not approve any project that requires the use of any public land designated as a park unless the department, acting through its duly authorized governing body or officer, determines that:

- 1) There is no feasible and prudent alternative to the use or taking of such land – **CONFIRMED**
- 2) The program or project includes all reasonable planning to minimize harm to the land, as a park, recreation area, scientific area, wildlife refuge, or historic site, resulting from the use or taking – **CONFIRMED**

QUESTIONS?